AMSAT News Service Weekly Bulletins
Issue: ANS-118
Date: 2008-04-27
Sources: amsat-ans-2008-ans-118-weekly-hyperkitty-d061a951da.txt

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AMSAT NEWS SERVICE
ANS-118

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor(a)amsat.org

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* Delphi C3 Launch date confirmed
* AMSAT goes to the Races
* Call for Papers
* Dayton Update
* Final Monthly OSCAR-11 Report
* ARISS UPDATE

SB SAT @ AMSAT $ANS-118.01
CalPoly and Delphi C3 Launch date confirmed

AMSAT News Service Bulletin 118.01
>From AMSAT HQ SILVER SPRING, MD.
April 27, 2008
To All RADIO AMATEURS
BID: $ANS-118.01

The PSLV-C9 launch from India carrying the CUTE-1.7, SEEDS, DELFI-C3, COMPASS-1, AAUSAT-II, and CANX-2 Cubesats into orbit has been confirmed for April 28, 2008 at 03L53 UTC.

Here is a summary of the PSLV-C9 CubeSat payload:

Satellite	Uplink	Downlink	Beacon	Mode	Callsign
CUTE1.7	1267.600	.	.	9600bd GMSK	JQ1YTC
CUTE1.7	.	437.475	.	9600bd GMSK	JQ1YTC
CUTE1.7	.	437.475	.	1200bd AFSK	JQ1YTC
CUTE1.7	.	.	437.275	CW	
SEEDS	.	437.485	.	FM,CW,Talk	JQ1YGU
DELFI-C3	.	145.870	.	1200bd BPSK	DLFIC3
DELFI-C3	435.570-530	145.880-920	145.930	FM,CW	
COMPASS-1	.	437.405	.	1200bd AFSK	
COMPASS-1	.	.	437.275	CW	
AAUSAT-II	.	437.425	437.425	1200bd AFSK	OZ2CUB
AAUSAT-II	.	437.425	437.425	9600bd FSK	OZ2CUB
CANX-2	.	437.478	.	32Kbd-	VA3SFL
CANX-2	.	2407.650	.	256Kbd GMSK	VA3SFL

Thanks to Mineo, JE9PEL for this table.

http://showcase.netins.net/web/wallio/CubeSat.htm
http://www.dk3wn.info/calendar/satellit.php?language=german
http://www.delfic3.nl/index.php?option=com_content&task=view&id=96&Itemid=71

The Delfi-C3 team has released RASCAL, the telemetry decoding
software for their satellite mission. You can find the download
page at:
http://www.delfic3.nl/index.php?option=com_content&task=view&id=94&Itemid=12
3
This page also includes instructions on how to apply for a user
account to submit telemetry to our servers, and how to use RASCAL.

The Delfi-C3 Mission Operations page is online at:
http://www.delfic3.nl/index.php?option=com_content&task=view&id=93&Itemid=12
2
Here you can find all information regarding frequencies, TLE's and
so on.

The CalPoly CubeSat Team will be in their IRC Chat Room before, during
and after the launch, and during the passes at Cal Poly. This is the
#cubesat channel on on irc.freenode.net network.

Or, for those of you without an IRC client, you can use the web client
on the Polysat site: http://polysat.calpoly.edu/irc/ (it has trouble
when more than 10 people use it though, so try getting a real IRC client).

Preliminary TLE's:

SEEDS
1 XXXXXU 08XXXXXU 08119.17465972 .00000000 00000-0 00000-0 0 0000X
2 XXXXX 97.9533 178.9040 0004500   6.0427 209.0053 14.7954000000001X

Cute-1.7 II
1 XXXXXU 08XXXXXU 08119.17374537 .00000091 00000-0 00000-0 0 0000X
2 99999 97.9419 179.0062 0011471 292.3990 277.6939 14.7828229200001X

Preliminary TLE
1 00000U 00000C   08119.17443982 .00000000 00000-0 00000-0 0 0013
2 00012 97.9497 178.9014 0004270 015.5590 198.2466 14.79780033 00004

[ANS thanks the following ...
Wouter Jan Ubbels PE4WJ of the Delfi-C3 Team, Bryan Klofas, KF6ZEO of
the Cal Poly State University, Mineo Wakita JE9PEL, and Mark Hammond,
N8MH for this latest, up-to-date CubeSat launch information.]
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SB SAT @ AMSAT $ANS-118.02
AMSAT goes to the Races

AMSAT News Service Bulletin 118.02
  From AMSAT HQ SILVER SPRING, MD.
April 27, 2008
To All RADIO AMATEURS
BID: $ANS-118.02

This coming Sunday, April 27th, AMSAT will have its premiere at a major
sports car race -- The Bosch Engineering 250 at the Virginia
International Raceway (VIR) Grand-Am Rolex Sports Car Series; VIR is
located near Danville, VA on the VA/NC border.

Brad Jaeger (see http://www.bradjaeger.com) is the son of AMSAT member
Jim Jaeger (K8RQ) and is piloting the bright yellow #77 Doran Racing
Kodak Ford machine (which you can see at
http://www.bradjaeger.com/?q=node/110 and at
http://www.grand-am.com/rolex/drivers/driver.cfm?did=1110).

K8RQ has arranged for AMSAT to display its colors on Brad's car on a
"space available" basis. If you can make it to Danville for the weekend,
the detailed schedule of events can be found at
http://www.grand-am.com/assets/08VIROfficialSched2.pdf. But if you can't
make it, the race will be carried on the cable SPEED channel from 12:00
to 15:00 EDT on Saturday, May 3rd.

For more details about the Grand-Am Rolex racing series, see
http://www.grand-am.com/rolex/ and
http://www.virclub.com/latest-news/bosch-engineering-becomes-title-sponsor-for-vir-grand-am-events.html
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73 de Tom, K3IO

[ANS thanks Tom, K3IO, for the above information]

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SB SAT @ AMSAT $ANS-118.03
Call for Papers

AMSAT News Service Bulletin 118.03
   From AMSAT HQ SILVER SPRING, MD.
April 27, 2008
To All RADIO AMATEURS
BID: $ANS-118.03

Technical papers are solicited for presentation at the 27th Annual ARRL
and TAPR Digital Communications Conference to be held September 26-28,
2008 in Chicago, Illinois. These papers will also be published in the
Conference Proceedings (you do NOT need to attend the conference to have
your paper included in the Proceedings). The submission deadline is July
31, 2008. Please send papers to:

Maty Weinberg
ARRL
225 Main St
Newington, CT 06111

or you can make your submission via e-mail to: maty(a)arrl.org

Papers will be published exactly as submitted and authors will retain
all rights.

73 . . . Steve, WB8IMY
ARRL

[ANS thanks Steve, WB8IMY, for the above information]

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SB SAT @ AMSAT $ANS-118.04
Dayton Update

AMSAT News Service Bulletin 118.04
   From AMSAT HQ SILVER SPRING, MD.
April 27, 2008
To All RADIO AMATEURS
BID: $ANS-118.04

We are less than three weeks before the 2008 Dayton Hamvention. Make your plans to come and visit the AMSAT booth, check out our new offerings, talk with the Engineering development teams, talk with the Officers and Board members and renew your membership.

We have a great Forum on Saturday morning, live satellite demonstrations each day, a number of satellite models, information and actual parts. So come by and find out about the progress on SuitSat-2, Eagle and Intelsat. There is a scheduled ARISS contact on Saturday. AMSAT we will provide the live uplink/downlink audio in multiple locations.

Reservations for the Friday night AMSAT/TAPR Banquet close on Monday May 12. Just giving Martha your name doesn't make a reservation. Full payment required. Contact Martha at the AMSAT office to make your reservations. Complete information about the AMSAT presence at Dayton can be found on the AMSAT web site, http://www.amsat.org

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Gould, WA4SXM is still looking for volunteers to help man the booth during Hamvention. If you can talk about satellite operation with potential members, demonstrate SatPC32, help with administrative tasks we have a job for you. Please contact wa4sxm(a)amsat.org if you can volunteer a few hours to give back to AMSAT.

[ANS thanks Gould, WA4SXM, for the above information]

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SB SAT @ AMSAT $ANS-118.05
Final Monthly OSCAR-11 Report

AMSAT News Service Bulletin 118.05
>From AMSAT HQ SILVER SPRING, MD.
April 27, 2008
To All RADIO AMATEURS
BID: $ANS-118.05

Clive, G3CWV sent the 144th monthly report for OSCAR-11. Clive says, "Unless there is an unexpected change of status (such as occured with OSCAR-7), I'm expecting this to be my last report."

This report covers the period from 17 March to 21 April 2008. During this period the satellite has not been heard and no reports of reception have been received.

Transmissions were expected to resume on 24 March, after the beacon switched-off on 14 March. However, permanent eclipses started a few days beforehand, which probably caused the transmission period to be terminated prematurely. It is now unlikely that the satellite will support any sustained period of operation, and will only transmit for a short time, possibly less than a single orbit, every 21 days.

In the years ahead, it is possible that you may hear OSCAR-11, by accident, when tuning around the frequency. If you are able to record the satellite on audio tape or as a WAV file (not MP3), please do so, as it is unlikely that it will be heard on the next pass!

Please send reception reports to xxxxx(a)amsat.org (replace xxxxx by g3cwv) or post to amsat-bb. If you have a file, please let Clive know what you have, before sending it!

If you need to hear what the satellite sounds like, please visit his website at http://www.users.zetnet.co.uk/clivew/ The satellite transmits on 145.826 MHz.

Clive concludes, "I am indebted to all those who sent reception reports during the last 12 years. Initially there was much interest in hearing the mode-S beacon, which was very weak. Recently, interest has changed to hearing when the two metre beacon switched on/off. Special thanks must go to Jeff KB2M who recorded telemetry during my holidays, and Peter ZL3TC, who has monitored the beacon daily, during recent months. Many thanks to everyone."

OSCAR-11 was the second satellite from the University of Surrey, http://www.ee.surrey.ac.uk/SSC. It was designed, built and launched, within a time scale of six months, by a team headed by Martin Sweeting G3YJO. Amateur radio groups working at various locations in the world, Also contributed to the project. It used commercially available 'off the shelf' components (COTS). Following the success of these satellites, in 1985 Surrey Satellite Technology Ltd. (http://www.sstl.co.uk) was formed, as a commercial venture. This grew into a major company which has produced over 27 small satellite projects for a global market.

[ANS thanks Clive G3CWV for the above information]

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SB SAT @ AMSAT $ANS-118.06
ARISS UPDATE

AMSAT News Service Bulletin 118.06
From AMSAT HQ SILVER SPRING, MD.
April 27, 2008
To All RADIO AMATEURS
BID: $ANS-118.06

Amateur Radio on the International Space Station (ARISS) Status Report
April 21, 2008

1. Upcoming School Contacts

Arnold Palmer Hospital for Children in Orlando, Florida has been scheduled for an Amateur Radio on the International Space Station (ARISS) contact on Monday, April 21 at 17:48 UTC via the telebridge station W6SRJ in Santa Rosa, California. Arnold Palmer is one of 8 hospitals under the Orlando Regional Healthcare umbrella and addresses the unique medical needs of children in the Central Florida area. The children who participate in this contact will be patients at the hospital. It will be an exciting surprise and enriching experience that will make their hospital stay a memorable event. The audio from this contact will be fed into the EchoLink AMSAT (101 377) and JK1ZRW (277 208) Conference Room servers and the IRLP Discovery Reflector 9010.

Students from the Shchelkovo School in Star City, Russia, will experience an Amateur Radio on the International Space Station (ARISS) contact on Wednesday, April 23 at 09:24 UTC. The school will be assisted by the telebridge station ON4ISS in Belgium. Cosmonaut Oleg Kononenko, RN3DX, will participate using the callsign OR4ISS. The audio from this contact will be fed into the EchoLink AMSAT (101 377) and JK1ZRW (277 208) Conference Room servers and the IRLP Discovery Reflector 9010.

The National Air and Space Museum (NASM) in Washington, D.C. has been

approved for an Amateur Radio on the International Space Station (ARISS) contact on Saturday, May 3 at 15:52 UTC via the telebridge station NN1SS in Greenbelt. This year Space Day will celebrate the 50th anniversary of NASA and NASA's achievements through space exploration. Youth, ages 12 -18, will participate in the contact. The Washington Post, the NASM Web site and NASM e-news will cover the event which is open to the public. Thousands are expected to attend.

2. New Jersey School Contact, a Success

On Monday, April 14, students from Central Middle School in Parsippany, New Jersey, participated in an Amateur Radio on the International Space Station (ARISS) contact with alumnus Garrett Reisman, KE5HAE. Eighteen questions were asked and answered. Over 900 students, parents and others gathered at the school to witness the event. One radio station, three television stations (ABC, CBS, NJ12) and four newspapers including the Star Ledger, the Daily Record, Parsippany Life and the New York Times reported on the contact. The school also had its district communication, "Video on the Go" hooked up. The activity was recorded and available for viewing on their Web site. All 14 district schools had the opportunity to view the contact live.
The Daily Record article may be found on:
http://www.dailyrecord.com/apps/pbcs.dll/article?AID=/20080415/COMMUNITIES38/804150329&referrer=FRONTPAGECAROUSEL

To view the Star Ledger article, go to:
http://www.nj.com/starledger/stories/index.ssf?/base/news-4/120823411560940.xml&coll=1

3. ARISS - Korean Museum Contact Successful

Students visiting the National Science Museum of Korea participated in an Amateur Radio on the International Space Station (ARISS) contact on Friday, April 18. Spaceflight participant Yi So-yeon, HL0ARISS, answered nine questions posed to her by the students in front of an audience of approximately 800. Over five television stations and four newspapers covered the event.

4. ARISS International Team Meeting Held

The monthly Amateur Radio on the International Space Station (ARISS) teleconference was held on Tuesday, April 15. Agenda items discussed included the preparations for the ARISS meeting in Moscow and the status of new telebridge stations under consideration. The minutes have been posted to the ARISS Web site. See:
http://www.rac.ca/ariss/arisstel2008-04-15.htm

5. Astronaut Training Status

An Amateur Radio on the International Space Station (ARISS) training session was held for Expedition 19 crew member Bob Thirsk, VA3CSA, on Thursday, April 17. Chris Hadfield, KC5RNJ/VA3OOG, Thirsk's back-up, will attend an ARISS training session on Friday, May 2.

[ANS thanks Carol, for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,

This week's ANS Editor,
Dee Interdonato, NB2F
nb2f at amsat dot org